

Engineer: Bruce Page	Date: 10/12/04				
Drawn: Bruce Page	Date: 10/12/04				
Approved: Chris Samios	Date: 10/12/04				
Issued/ Revised	Date: 10/12/04	Size: A	Dwg. #: 5961-271285-APP	Rev: A	Sheet: 1 Of 1

Raytheon

JPS Communications
5800 Departure Drive, Raleigh, NC 27616

APPLIES TO: ICOM F3GS Portable Radios
ICOM F4GT Portable Radios

RADIO MODIFICATIONS: None required.

RADIO PROGRAMMING: Not required

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio. Should be about in the 75% of full volume position.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291285	(5961-271285 + 5961-261002-00)
ACU-T Cable	JPS P/N 5961-281285	(5961-271285 + 5961-281013-00)
TRP-1000 Shelf Interface Cable	JPS P/N 5961-271285	
RF Connector Type		

DSP-1 JUMPERS:

JP1	Low Impedance *
JP2	Balanced *

DSP PROGRAMMING:

RX Level	3*	0dBm*
TX Level	6*	0dBm*
Squelch Type	VOX*	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others		As needed

(* Indicates Default Value)

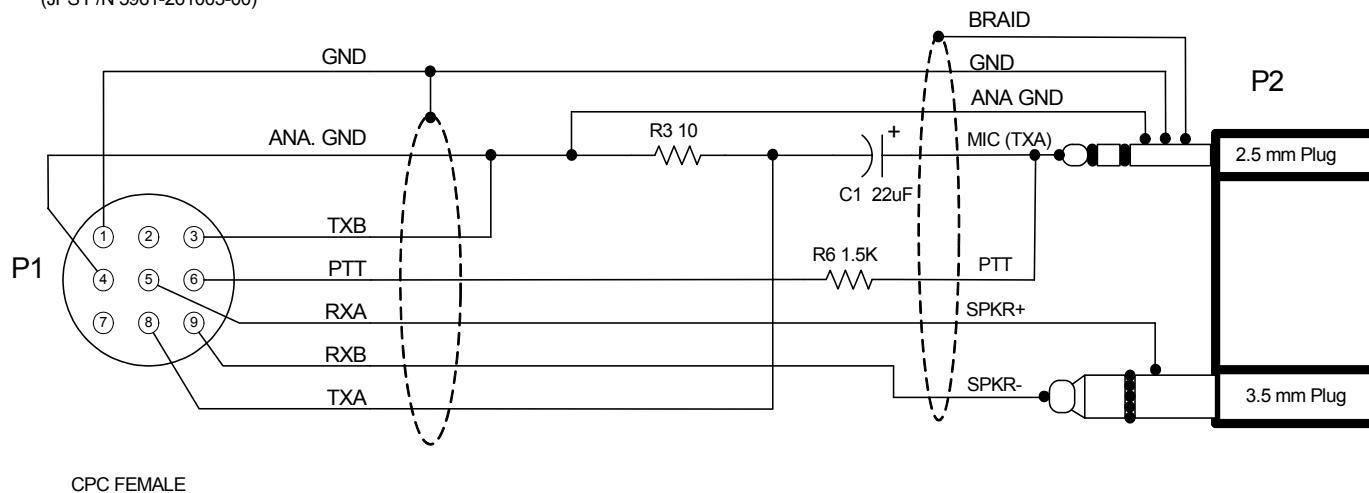
NOTES:

PURCHASED PART

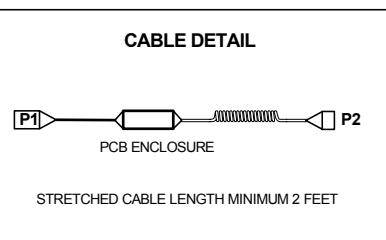
Rev	ECO	Date
A		10-13-04

USE MOLDED CABLE
(JPS P/N 5961-261003-00)

DUAL CONNECTOR
CURL CORD ASS'Y OTTO V3-10262
(JPS P/N 0314-310262)



CPC FEMALE



COMPONENT PCB
(JPS P/N 5961-271000)

C1	JPS P/N 0321-220250
R3	JPS P/N 1820-100000
R6	JPS P/N 1820-152000
JU2	
JU4	
JU5	

NOTES: SHIELD DRAIN CONNECTED TO PIN 1 OF P1 ONLY.

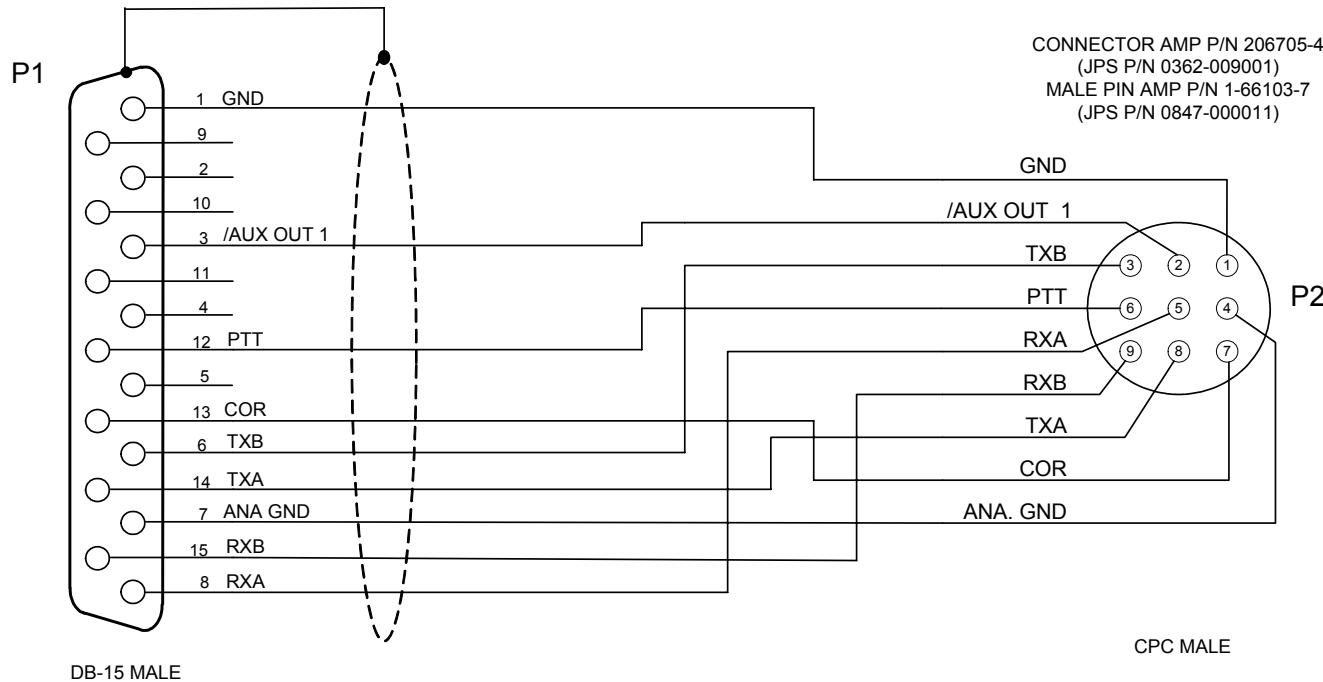
FOR DETAILED CABLE ASSEMBLY INSTRUCTIONS SEE
5961-271001-CBL.

Designed By:	RBP	Raytheon JPS Communications		
Drawn By:	RBP	Title CABLE, CPC TO ICOM F3GS / F4GT		
Checked By:	JAC	Size A	Document Number 5961-271285	Rev A
		Issued Date	October 12, 2004	Sheet <u>1</u> of <u>1</u>

USED WITH:
ICOM F3GS PORTABLE RADIOS
ICOM F4GT PORTABLE RADIOS

PURCHASED PART

Rev	ECO	Date
A		



NOTES: 1) USE BELDEN 9934 SHIELDED CABLE.
2) CONNECT SHIELD DRAIN TO SHELL OF P1 ONLY.
3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.
4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND
REV, VENDOR CODE AND DATE (MM/YY).

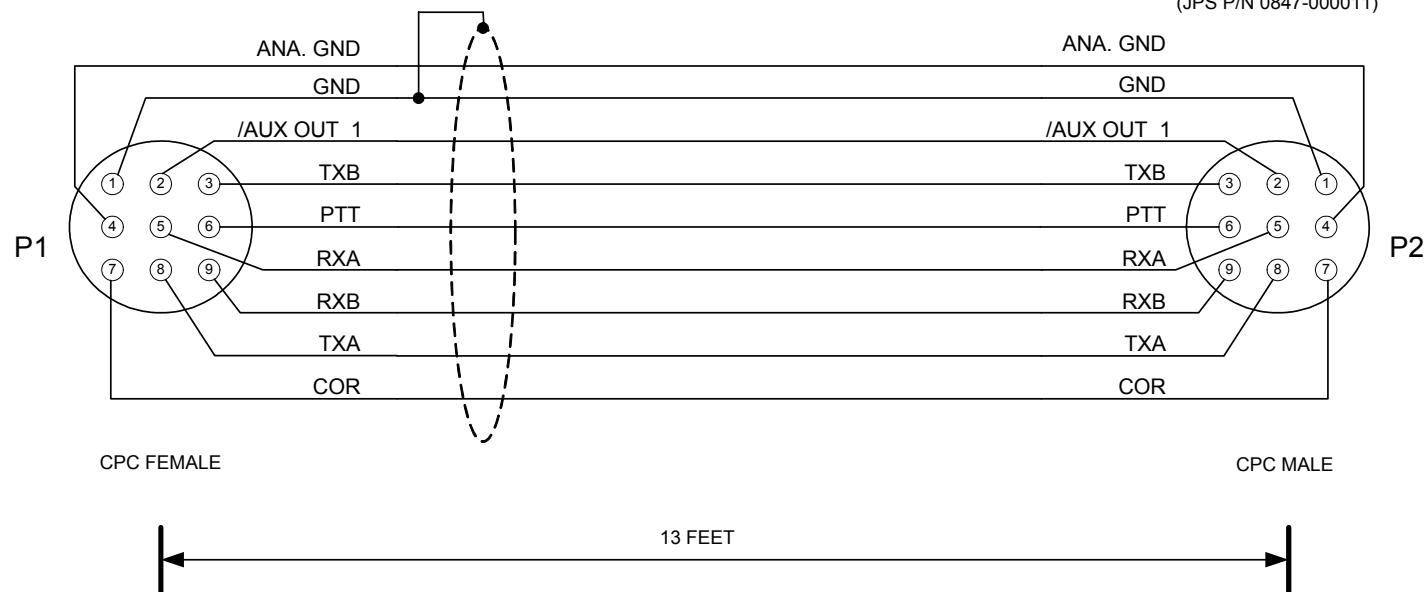
Designed By: JAC	Raytheon JPS Communications		
Drawn By: JAC	Title	CABLE, ACU-1000 RADIO EXTENSION - 13 FT	
Checked By: RBP	Size A	Document Number 5961-261002-00	Rev A
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PURCHASED PART

CONNECTOR AMP P/N 206708-1
(JPS P/N 0362-005003)
FEMALE PIN AMP P/N 1-66105-8
(JPS P/N 0362-005002)

CONNECTOR AMP P/N 206705-4
(JPS P/N 0362-009001)
MALE PIN AMP P/N 1-66103-7
(JPS P/N 0847-000011)



NOTES:

- 1) USE BELDEN 9934 SHIELDED CABLE.
- 2) CONNECT SHIELD DRAIN TO PIN 1 OF P1 ONLY.
- 3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.
- 4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND REV, VENDOR CODE AND DATE (MM/YY).

Designed By:	JAC	Raytheon JPS Communications Raleigh, NC USA		
Drawn By:	JAC	Title CABLE, ACU-T RADIO EXTENSION - 13 FT		
Checked By:	RBP	Size A	Document Number 5961-281013-00	Rev A
		Issued Date JANUARY 5, 2004	Sheet <u>1</u> of <u>1</u>	